

21. **Allowable Emissions:** The Permittee shall not allow emissions into the atmosphere in excess of any of the following:

	Daily Emission Limit	Twelve Month Rolling Average Emission Limit
Volatile Organic Compounds (VOCs)		

The twelve month rolling average shall be calculated at the end of each calendar month by summing the emissions over the most recent twelve calendar months.

22. **Monitoring:** The Permittee shall monitor the alcohol concentration of each fountain solution source (if used) containing any alcohol with a refractometer, a hydrometer or a conductivity meter. The instrument shall have a visual readout (analog or digital) with an accuracy of either ± 2 percent of the meter's full scale, or ± 0.5 percent absolute (such as for meter readings given in percent.)

23. **VOC Limitations:**

- A. The Permittee is considered a small source by Rule 337 §306.1, and as such the Graphic Arts Materials limits of Rule 337 §301 do not apply to the Permittee. Should the Permittee become subject to the provisions of §301 by exceeding either threshold amount, the Permittee will remain subject to these provisions even if annual emissions later fall below these thresholds.
- B. Offset Lithographic Printing Only
1. Fountain Solutions: After March 27, 1997, the Permittee shall limit the combined total volume of alcohol, alcohol substitute, and any other VOC in each fountain solution source to the limits in Rule 337 §302 column A of Table 1 whenever the press is on; except that a fountain solution source refrigerated below 60°F and having a properly indicating temperature monitor is subject to the limits in column B of Table I.
 2. Cleaning Solutions: The Permittee shall use cleaning solutions with a vapor pressure at 20°C compliant with the standards in Rule 337 §303 Table 2

24. **Record Keeping:** The Permittee shall maintain the following lists and records in a consistent and complete manner:

- A. Offset Lithographic Printing Only:
1. Weekly Entry of Monitoring Data If Any Fountain Solution Alcohol Is Used:
A weekly entry shall be made of the results of an instrument reading, required by Permit Condition 22, for each fountain solution source containing any alcohol; and

Weekly, for each fountain solution source, record the names and the most current mixing ratio of all alcohol, alcohol-substitutes, and water used in making fountain solution in that source.

2. **Monthly Entries for Presses Which Never Use Any Alcohol:**
Monthly, record the names of all alcohol-substitutes and the mixing ratio of all alcohol-substitutes to water, for each fountain solution source on a press which never uses alcohol.

B. **Current List:** A current list of inks, coatings, adhesives, fountain-solutions, alcohol(s) and alcohol substitutes, thinners, cleaners, and any other VOC-containing materials used at the facility; state the VOC content of each in pounds per gallon or grams per liter. In addition, for each blanket wash and other cleaning solutions used to clean lithographic presses, list the VOC vapor pressure at 20°C (68°F).

C. **Usage Records of Graphic Arts Materials and Cleaning Solutions:** Monthly records of materials' usage shall be maintained. The records shall show the type, and amount of each graphic arts ink, varnish, coating, adhesive, fountain solution, blanket wash and all other cleaning solutions.

25. **Other:** The Permittee shall store all VOC containing materials used for cleaning and cleanup, including rags and towels, in closed containers when not in use. Containers containing VOC materials used for cleaning and clean up shall be covered at all times except when the actual clean up is being performed. Containers containing inks, fountain solutions, etc. shall be covered when not in present use.